

Application No. 09/384,900

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-23 (Canceled).

24. (Currently amended) A sleeve adapted to be mounted on a catheter shaft so as to be formed into an inflatable balloon comprising

the sleeve having a first end, a second end, and a middle section;

wherein prior to being formed into the balloon by mounting on the catheter shaft at least one of the ends is non-distensible while the middle section of the sleeve is distensible.

25. (Original) The sleeve of claim 24 wherein the sleeve is mounted on a catheter shaft to form an inflatable balloon.

26. (Original) The sleeve of claim 25 wherein the sleeve forms a liquid-tight seal at the ends to the catheter shaft.

27. (Original) The sleeve of claim 24 wherein the at least one end is tape wrapped to render it non-distensible.

28. (Previously Presented) The sleeve of claim 24 wherein the at least one end has a coating to render it non-distensible.

29. (Previously Presented) The sleeve of claim 24 wherein the at least one end has a modified structure that renders it non-distensible.

30. (Original) The sleeve of claim 24 wherein the at least one end is covered with an essentially non-distensible material to render it non-distensible.

31. (Original) The sleeve of claim 30 wherein the essentially non-distensible material comprises a reinforcing collar.

32. (Original) The sleeve of claim 24 wherein the at least one end is attached with adhesive to a non-distensible material to render it non-distensible.

33. (Original) The sleeve of claim 24 wherein the sleeve comprises a fluoropolymer.

34. (Original) The sleeve of claim 33 wherein the fluoropolymer comprises a polytetrafluoroethylene.

35. (Original) The sleeve of claim 25 wherein the at least one end is tape wrapped to render it non-distensible.

36. (Previously Presented) The sleeve of claim 25 wherein the at least one end has a coating to render it non-distensible.

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37. (Previously Presented) The sleeve of claim 25 wherein the at least one end has a modified structure that renders it non-distensible.

38. (Original) The sleeve of claim 25 wherein the at least one end is covered with an essentially non-distensible material to render it non-distensible.

39. (Original) The sleeve of claim 38 wherein the essentially non-distensible material comprises a reinforcing collar.

C 40. (Original) The sleeve of claim 25 wherein the at least one end is attached to a non-distensible material to render it non-distensible.

41. (Original) The sleeve of claim 25 wherein the sleeve comprises a fluoropolymer.

42. (Original) The sleeve of claim 41 wherein the fluoropolymer comprises a polytetrafluoroethylene.